Index of Claims

10/799,693 Examiner

Louis M. Arana

Applicant(s)/Patent under Reexamination

KYUNG, MYUNG-HO

Art Unit

2859

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | Claim Date . |              |                 |          |          | (        | Claim Date |          |          |          |          |           |               |          |   | ]        |          | laim     |   | Date    |              |              |          |            |              |  |          |              |              |              |               |          |          |
|--|--------------|--------------|-----------------|----------|----------|----------|------------|----------|----------|----------|----------|-----------|---------------|----------|---|----------|----------|----------|---|---------|--------------|--------------|----------|------------|--------------|--|----------|--------------|--------------|--------------|---------------|----------|----------|
| ĺ  | <del></del>  | 2            |                 |          |          |          |            |          |          |          |          |           | <u>_</u>      | - 1      | - 1   |          |          |          |   |         |              |              | l _      | <u></u>    | l            |  |          |              | .            |              |               |          |          |
| Final  | Original     | 11/7/05      |                 |          |          |          |            |          |          |          | Final    | 1         | Original      |          | 1   |          |          | ı        |   | 1       |              |              | Final    | Original   |              |  |          |              | - 1          | ١            | İ             | - 1      |          |
| ιĒ   | Ĕ            | =            |                 | - 1      |          |          |            | ł        | 1        |          | iI       |           | Ĕĺ            |          |   |          | - [      |          |   |         |              | ŀ            | iI       | Š          | ł            |  |          | l            | Ì            |              |               | - 1      |          |
|  | <u> </u>     |              |                 |          |          |          | _          | _        | _        | _        |          |           | 1             | _        |   | _        |          | 1        | $\bot$  | ┸       | <u> </u>     | ļ            |          |            |              | Ш  |          |              | _            | _            | _             | $\dashv$ | _        |
|  | 1            | =            | Ш               | _        |          | _        |            | _        | 4        | _        | <u> </u> |           | 51            |          | 4   | 4        | _        | _        | _ _   | $\perp$ | ╄            | Į            | $\vdash$ | 101        | <u> </u>     |  |          |              | _            | _            | _             | _        | _        |
|  | 2            | =            |                 | _        |          | _        |            |          | 4        | _        |          |           | 52            | _        | $\rightarrow$                                     | $\perp$  | _        | _        | $\perp$   | 4       | <u> </u>     | 1.           |          | 102        | <u> </u>     | _  |          |              | _            |              | _             | _        |          |
|  | 3            | =            |                 | _        | _        | _        |            | _        | _        |          | <u> </u> |           | 53            | _        | _   | 4        | _        | _        | _   | $\perp$ | ╄            | 1            |          | 103        | <u> </u>     | Щ  |          | Щ            |              | _            | -             |          |          |
|  | 4            | =            |                 | _        | _        | _        |            | _        |          |          |          | _   -     | 54            | _        | 4   | 4        | _        | $\perp$  | _   | _       | 1_           |              |          | 104        | <u> </u>     |  |          | _            | _            | _            | _             | _        |          |
| L  | 5            | =            | Ш               | 4        | _        |          |            | _        | 4        | _        |          | 4         | 55            | _        | -   | 4        | 1        | 4        |   | ļ.      | 4-           | 1            |          | 105        | <u> </u>     |  |          | Щ            | $\dashv$     | _            | _             | $\dashv$ | _        |
|  | 6            | =            | Ш               |          |          |          |            | _        | _        | _        | <u> </u> | 4         | 56            | _        | 4   | 4        | _        | 4        | 4   | +       | 1            | 1            |          | 106        | -            |  |          | Щ            |              | -            | -             |          |          |
|  | 7            | =            | $\sqcup$        | _        |          | _        |            | _        | -        | _        | <u> </u> | -         | 57            |          | _   |          | 4        | 4        | +   | +       |              | 1            | $\vdash$ | 107        | <u> </u>     |  |          |              | -            |              |               | $\dashv$ | {        |
|  | 8            | =            |                 | _        | _        | _        | _ '        | _        |          | _        | <u> </u> | -         | 58            | _        | $\dashv$  |          | 4        |          | +   | +-      |              | -            | <b> </b> | 108        | <u> </u>     |  |          | Ш            |              |              | _             | $\dashv$ | ᅴ        |
| <u> </u>   | 9            | =            |                 | _        | _        | _        |            | _        | _        | _        | -        | -         | 59            | $\dashv$ | -   | $\dashv$ | _        | -+       | 4   | +       |              | ł            | -        | 109        |              |  | _        | _            |              | _            |               | -        | ᅴ        |
| <u> </u>   | 10           | =            | $\sqcup$        | _        | _        | _        | _          | _        |          | 4        | _        | +         | 60            | -        | $\dashv$  | $\dashv$ | +        | -        | +   | +       | +            | -            | -        | 110        | <del> </del> | $\vdash$   | $\vdash$ | -            |              |              |               | $\dashv$ | $\dashv$ |
| <u> </u>   | 11           | =            | $\vdash \vdash$ | 4        | _        | _        | $\vdash$   |          | _        | $\dashv$ | -        |           | 61            | -        | $\dashv$  |          | +        | +        | +   | +       | +            | -            | -        | 111        | $\vdash$     | $\vdash$   | $\vdash$ |              |              |              | $\dashv$      | $\dashv$ | ᅴ        |
| <u> </u>   | 12           | =            | $\vdash \vdash$ | _        | _        | _        |            |          |          | -        |          | +         | 62            | -        | -+  | -+       | +        | +        | +   | +       | +            | 1            |          | 112        | $\vdash$     |  | $\vdash$ | <u> </u>     |              |              | -             | $\dashv$ | ᅴ        |
| <u> </u>   | 13           | =            |                 |          |          | _        |            |          | $\dashv$ | $\dashv$ | -        |           | 63            | $\dashv$ | $\dashv$  | -+       | $\dashv$ | $\dashv$ | +   | +       | +            | 1            | -        | 113<br>114 | -            | -  | -        | $\vdash$     |              | $\dashv$     |               |          |          |
| <u> </u>   | 14           | =            |                 | _        |          | _        |            |          | $\dashv$ | $\dashv$ | -        | +         | 64            | $\dashv$ | $\dashv$  | -+       | -+       | +        | +   | -       | +-           | -            | $\vdash$ | 114        | <del> </del> | <del> </del>                                     | $\vdash$ |              | $\dashv$     | $\vdash$     | -             |          | $\dashv$ |
| <u></u>  | 15           | =            | $\vdash$        | 4        | -        |          | -1         |          | $\dashv$ | $\dashv$ |          | +         | 65            | $\dashv$ |   | $\dashv$ | $\dashv$ | +        | +   | +-      | +            | $\mathbf{I}$ | $\vdash$ | 116        | +-           | -  |          | -            |              | $\dashv$     | $\dashv$      | $\dashv$ | $\dashv$ |
|  | 16           | =            | $\vdash \vdash$ | -        |          | -        | <u> </u>   | -        | $\dashv$ | $\dashv$ | -        |           | 66<br>67      | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | -+       | +   | +       | +-           | 1            | $\vdash$ | 117        | ┼──          |  | $\vdash$ |              | $\vdash$     | $\vdash$     |               | $\dashv$ | $\dashv$ |
| <u> </u>   | 17           | =            | $\vdash$        | -        | _        | -        |            |          | $\dashv$ | $\dashv$ | -        |           | 68            | $\dashv$ | $\dashv$  | +        | +        | +        | +   | +-      | +            | 1            | $\vdash$ | 118        | +-           | <del>                                     </del> | $\vdash$ | $\vdash$     | $\dashv$     | $\vdash$     | $\dashv$      | $\dashv$ | $\dashv$ |
| -  | 18           | =            |                 | -        | -        | $\dashv$ | -          | -        | $\dashv$ | -        | -        | +         | 69            | -        | $\dashv$  |          | $\dashv$ | +        |   | ╁       | +            | 1            | -        | 119        | $\vdash$     |  | ├        | -            |              |              | $\dashv$      | $\dashv$ | $\dashv$ |
|  | 19           | =            |                 |          | -        | $\vdash$ |            |          | $\dashv$ | $\dashv$ |          |           | 70            | +        | -   | $\dashv$ | -+       | +        |   | +       | -            | 1            | $\vdash$ | 120        | +            |  | ┢        | $\vdash$     | -            |              | $\dashv$      | $\dashv$ | $\dashv$ |
| ├  | 20           | =            |                 | $\dashv$ | $\dashv$ | -        |            | -        | -        |          | -        | +         | 71            | -        | -   | -+       | $\dashv$ | +        | +   | +-      | +            | 1            |          | 121        | -            | ┢  | ⊢        | <del> </del> |              | $\exists$    | $\dashv$      | $\dashv$ | $\dashv$ |
| <b>├</b>   | 21<br>22     | =            | $\vdash$        | -        | $\dashv$ |          | $\dashv$   | $\dashv$ | -        | $\dashv$ | $\vdash$ |           | 72            | $\dashv$ | -   | $\dashv$ | $\dashv$ | +        | +   | +       | +            | 1            | $\vdash$ | 122        | $\vdash$     | ┢  | ┢        | -            | -            | H            |               | -        | $\dashv$ |
| -  | 23           | ┝            |                 | $\dashv$ |          |          |            | $\dashv$ | $\dashv$ | $\dashv$ | -        | +         | 73            |          | $\dashv$  | -+       | $\dashv$ | +        | +   | ┿       | +            | ┨            | -        | 123        | +            |  | ⊢        | ├─           |              |              |               | $\dashv$ | -        |
|  | 24           | ├─           | $\vdash$        | $\dashv$ | $\dashv$ |          |            | $\dashv$ | $\dashv$ | $\dashv$ | <u> </u> | +         | 74            | $\dashv$ |   | $\dashv$ | $\dashv$ | -+       | +   | +-      | +            | 1            | -        | 124        | $\vdash$     |  |          | $\vdash$     |              | $\neg$       | $\overline{}$ | 寸        |          |
| <del>                                     </del> | 25           | ┢            | 1               | $\dashv$ |          | $\dashv$ |            |          | $\dashv$ | $\dashv$ | -        | +         | 75            | $\dashv$ | +   | +        | $\dashv$ | $\dashv$ | +   | ╅       | +            | 1            | $\vdash$ | 125        | 1            |  |          | $\vdash$     |              |              | $\dashv$      | $\dashv$ |          |
| -  | 26           | $\vdash$     | -               |          |          |          |            |          | $\dashv$ | $\dashv$ | $\vdash$ | -         | <del>76</del> | -        | $\dashv$  | $\dashv$ | $\dashv$ | -+       | +   | +       | +-           | i            | $\vdash$ | 126        | 1-           | ┢  | -        |              |              |              | $\neg$        |          |          |
| <b> </b>   | 27           | ┢            | $\vdash$        |          |          | $\dashv$ | $\vdash$   |          | -        | $\dashv$ | -        | +         | 77            | +        | $\dashv$  | +        | +        | -        | +   | +-      | +            | 1            | -        | 127        | $\vdash$     | <del>                                     </del> | -        | H            |              |              | $\neg$        | $\neg$   | $\neg$   |
| -  | 28           | <del> </del> |                 | $\dashv$ | $\dashv$ |          | -          | _        |          | ╡        | -        |           | 78            | $\dashv$ | 十   | $\neg$   | $\dashv$ | 7        | +   | +-      | +-           | 1            |          | 128        | T            | <del>                                     </del> | 1        | Г            |              | $\neg$       |               | $\dashv$ | $\neg$   |
|  | 29           | <del> </del> |                 | 一        | ᅱ        |          |            | _        | _        | -        | <u> </u> | +         | 79            | _        | _   | 7        | +        | 7        | 十   | +       | +            | 1            |          | 129        | Г            |  |          | Г            |              |              |               | 寸        |          |
| $\vdash$   | 30           | ╁            | Ħ               |          | -        |          |            |          |          | _        |          | +         | 80            | 寸        | $\dashv$  | 寸        | $\neg$   | -        | $\dashv$  | $\top$  | $\top$       | 1            |          | 130        | t            |  | Г        |              |              |              |               | 一        |          |
|  | 31           | $\vdash$     | $\vdash$        | -        | $\dashv$ | $\dashv$ |            |          | _        | $\neg$   |          |           | 81            | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | $\top$  | 十       | +-           | 1            |          | 131        |              | Г  |          | П            |              |              |               | 一        |          |
| $\vdash$   | 32           | $\vdash$     | -               | $\dashv$ | _        |          |            |          |          | $\neg$   |          | $\top$    | 82            | _        | $\dashv$  | 寸        | $\dashv$ | _        | _   | $\top$  | T            | 1            |          | 132        | 1            |  | П        |              |              |              |               | $\neg$   | $\neg$   |
|  | 33           | Т            | $\Box$          | _        |          |          | П          |          |          | $\neg$   |          | +         | 83            | $\dashv$ | $\dashv$  |          | $\neg$   | 7        | $\top$  | T       | 1            | 1            |          | 133        |              | Г  | Г        |              |              |              |               | $\Box$   |          |
|  | 34           |              |                 |          | T        |          | М          | $\neg$   |          | $\neg$   |          | 十         | 84            | $\neg$   | 1   |          | 寸        | $\neg$   | $\top$  | 7       | 1            | 1            |          | 134        | T            |  |          |              |              |              |               |          |          |
|  | 35           |              | H               | 寸        | $\neg$   |          | П          |          |          | $\neg$   |          | $\top$    | 85            | _        |   | $\neg$   | $\neg$   | $\top$   |   |         |              | 1            |          | 135        |              |  |          |              |              |              |               |          |          |
|  | 36           |              |                 |          |          |          |            |          |          |          |          | T         | 86            | 寸        | $\neg$  | 寸        |          |          |   |         |              | 1            |          | 136        |              |  |          |              |              |              |               | コ        |          |
|  | 37           | П            | $\Box$          | -        |          |          | П          |          |          | $\neg$   |          | $\neg$    | 87            |          |   |          |          |          | ╗   |         |              | ]            |          | 137        |              | L  | L        |              |              |              |               |          |          |
|  | 38           | Γ            | $\Box$          |          |          |          |            |          |          |          |          | Т         | 88            |          |   |          |          |          |   |         |              |              |          | 138        |              |  |          |              |              |              |               |          |          |
|  | 39           | Г            | П               |          |          |          | $\Box$     |          |          |          |          |           | 89            |          |   |          |          |          |   | ] -     |              | ]            |          | 139        |              |  |          |              |              |              |               |          |          |
|  | 40           |              |                 |          |          |          |            |          |          |          |          |           | 90            |          |   |          |          |          | $oxed{oxed}$                                      | Ι       |              |              |          | 140        |              |  |          |              |              |              |               | $\Box$   |          |
|  | 41           |              |                 |          |          |          |            |          |          |          |          |           | 91            |          |   |          |          | $\Box$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         | L            | ]            |          | 141        |              |  |          | Ĺ            |              |              |               |          |          |
|  | 42           |              |                 |          |          |          |            |          |          |          |          |           | 92            |          |   | $\Box$   | $\Box$   | $\Box$   | $\Box$  |         |              | ]            |          | 142        |              |  |          |              |              |              |               | $\Box$   |          |
|  | 43           |              |                 |          |          |          |            |          |          |          |          |           | 93            | $\Box$   |   | $\Box$   | $\Box$   |          |   |         |              | ]            |          | 143        |              |  |          |              |              |              |               |          |          |
|  | 44           |              |                 |          |          |          |            |          |          |          |          |           | 94            |          |   | $\Box$   | $\Box$   | $\Box$   |   |         |              |              |          | 144        |              |  | $\Box$   | $\Box$       |              |              | Ш             | $\Box$   |          |
|  | 45           |              |                 |          |          |          |            |          |          |          |          |           | 95            |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |          | $\Box$   | $oxed{\Box}$                                      | $\perp$ | $oxed{\Box}$ |              |          | 145        |              | 匚  |          |              |              |              |               |          |          |
|  | 46           |              |                 |          |          |          |            |          |          |          |          |           | 96            |          |   |          | $\Box$   | $\perp$  |   |         |              |              |          | 146        | _            | <u>L</u>   | L        | <u> </u>     |              |              | Ш             | $\Box$   |          |
|  | 47           |              |                 |          |          |          |            |          |          | _]       |          |           | 97            |          | $\Box$  |          |          | $\perp$  |   |         |              | 1            |          | 147        | L            |  | <u></u>  | L            |              | $oxed{oxed}$ | Ш             |          |          |
|  | 48           |              |                 |          |          |          |            |          |          | $\Box$   |          |           | 98            |          |   |          | $\Box$   | $\perp$  |   | $\perp$ | $\perp$      | 1            |          | 148        | L            | <u>L</u>   | <u></u>  |              | $oxed{\Box}$ | Ш            | Ш             | ╝        | Ш        |
|  | 49           |              |                 |          |          |          |            |          |          | _        |          |           | 99            |          | $\Box$  | $\Box$   | $\perp$  | _[       |   | $\perp$ | $\perp$      | 1            | _        | 149        | 1            | <u> </u>   | <u> </u> | <u> </u>     |              |              | Щ             |          | Ш        |
|  | 50           |              | Ш               |          |          | Ш        |            |          | Ш        |          |          | <u>ال</u> | 100           |          | 1   | 1        |          | 丄        | $\perp$   | L       | $\perp$      | J            |          | 150        | 1            | <u></u>  | L_       | <u> </u>     | L            | Ļ            | Ш             | $\sqcup$ |          |